

BOROUGH OF WALLSEND.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

YEAR ENDING 1903.

WALLSEND-ON-TYNE:

PRINTED BY J. THORNTON, THE WALLSEND PRINTING WORKS.

ANNUAL REPORT,

. . . 1903 . . .

To the Mayor and Corporation of Wallsend.

GENTLEMEN,

I beg to submit my Annual Report for 1903.

| Locality. | Area in Acres. | Inhabited Houses 1901. | Population, 1903. | Estimated Popu- lation to the middle of year 1903. |
|----------------|----------------|---------------------------|----------------------|---|
| Wallsend Urban | 1,202 | 5,048 | 22,000 | 22,500 |

BIRTHS.

The number of births registered to the 31st December, 1903, was 891, giving a birth rate of 40·5 per thousand. Last year it was 39·5 per thousand.

DEATHS.

For the same period 345 deaths are returned, including one out of the district; deducting this would give a death rate of 15·6 per thousand. Last year was 16·6 per thousand. Excess of births over deaths—546.

DEATH RATE OF PREVIOUS YEARS :

| 1899 | 1900 | 1901 | 1902 |
|-------|------|-------|------|
| 17·05 | 13·8 | 17·04 | 16·6 |

AGES :—127 were under one year.

58 between 1 and 5 years.

20 „ 5 „ 15 „

17 „ 15 „ 25 „

80 „ 25 „ 65 „

43 above 65 years.

INFANTILE MORTALITY.

The rate per thousand births registered this year amounts to 141·4, which is rather more than last year (139·01). There are 23 premature births this year as against 16 for last year. In my opinion this is not the only cause of the increase. Owing to the small size of the living room in houses mothers are only too glad to get their children outside, so as to make more room for the grown up members of the family. It is a common sight to see the little ones sitting on the door step, or out on the pavement, at all hours of the day. This generally acts as a great help to the development of chest troubles, which have carried off so many of the little ones. As we have got a very energetic Inspector, however, to look after the children's welfare, I hope that his efforts on their behalf will avail and thereby give us a reduced mortality.

NOTIFICATION OF INFECTIOUS DISEASES.

| | | | 1903. | | 1902. |
|---------------|-----|-----|-------|-----|-------|
| Small Pox | ... | ... | 49 | ... | 1 |
| Diphtheria | ... | ... | 18 | ... | 21 |
| Erysipelas | ... | ... | 26 | ... | 26 |
| Scarlet Fever | ... | ... | 131 | ... | 379 |
| Enteric Fever | ... | ... | 14 | ... | 11 |
| | | | <hr/> | | <hr/> |
| | | | 238 | | 494 |

DEATHS FROM INFECTIOUS DISEASES.

| | | | 1903. | | 1902. |
|----------------|-----|-----|----------|-----|----------|
| Scarlet Fever | ... | ... | 5 | ... | 13 |
| Small Pox | ... | ... | 2 | ... | 0 |
| Diphtheria | ... | ... | 0 | ... | 3 |
| Enteric ... | ... | ... | 5 | ... | 3 |
| Whooping Cough | ... | ... | 3 | ... | 12 |
| Measles ... | ... | ... | 24 | ... | 9 |
| | | | <hr/> 39 | | <hr/> 40 |

CASES ADMITTED TO HOSPITAL.

| | | | 1903. | | 1902. |
|---------------|-----|-----|-------|-----|-------|
| Scarlet Fever | ... | ... | 34 | ... | 117 |
| Enteric Fever | ... | ... | 5 | ... | 4 |
| Diphtheria | ... | ... | 4 | ... | 4 |

Table showing all cases of Scarlet Fever in each District.

| Month of Year. | Wallsend Ward. | North- umberl'd Ward. | Hadrian Ward. | Carville Ward. | Holy Cross Ward. | Buddle Ward. |
|----------------|-------------------|-----------------------------|------------------|-------------------|------------------------|-----------------|
| January ... | 1 | 0 | 0 | 0 | 5 | 1 |
| February ... | 1 | 1 | 1 | 0 | 11 | 3 |
| March ... | 0 | 0 | 1 | 1 | 6 | 0 |
| April ... | 1 | 2 | 2 | 0 | 3 | 0 |
| May ... | 1 | 0 | 0 | 1 | 6 | 1 |
| June ... | 0 | 0 | 6 | 2 | 2 | 1 |
| July ... | 1 | 1 | 1 | 4 | 2 | 2 |
| August... | 1 | 0 | 2 | 0 | 7 | 0 |
| September | 1 | 3 | 1 | 0 | 7 | 4 |
| October | 5 | 2 | 3 | 2 | 4 | 5 |
| November | 0 | 1 | 2 | 1 | 2 | 1 |
| December | 0 | 0 | 0 | 3 | 2 | 1 |
| TOTAL .. | 12 | 10 | 19 | 14 | 57 | 19 |

There have been 49 cases of Small Pox, with two deaths. One of the deaths was a child a few months old, unvaccinated, and the other was an elderly woman, who developed the Hemorrhagic form and only survived a few days.

There were four unvaccinated cases. The efficacy of vaccination was proved by the vaccinated patients being in Hospital such a short time, as compared with those who had not been vaccinated, the latter being in hospital six weeks or more. My experience this year confirms the advice that I gave to the Council last year, *i.e.*, that prompt isolation of the patient, disinfection of all materials and house and all contacts re-vaccinated and kept in quarantine until the incubation period has elapsed or the vaccination "takes," will bring about a speedy termination of the disease. In my opinion the re-vaccination would be greatly accelerated were the Medical Officer of Health given permission to re-vaccinate all contacts.

On being informed of any "contacts" from different districts in which small pox was raging, I visited them and they were kept under observation,

COW BYRES.—All these have been visited and found in a satisfactory condition.

WATER SUPPLY.—This has been very good all the year.

FACTORIES & WORKSHOPS.—The Sanitary Inspector and myself went round and inspected these places, finding everything satisfactory.

Deaths from Zymotic Diseases for 1903.

| | North- b'land. | Wall- send. | Hadrian. | Buddle. | Holy Cross. | Carville. | |
|-------------------|-------------------|----------------|----------|---------|----------------|-----------|----|
| Small Pox .. | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Scarlet Fever ... | 0 | 0 | 0 | 1 | 4 | 0 | 5 |
| Enteric Fever .. | 0 | 0 | 1 | 0 | 4 | 0 | 5 |
| Measles .. | 2 | 3 | 0 | 10 | 4 | 5 | 24 |
| Consumption .. | 0 | 2 | 3 | 3 | 6 | 9 | 23 |

The Zymotic death rate this year amounts to 2·6 per thousand.

Births for each quarter and Births in the separate Wards.

| BIRTHS. | | | | BIRTHS IN EACH DISTRICT FOR THE QUARTER. | | | | | | |
|-------------|-------|--------|--------|--|--------|----------------|----------------|---------------|----------------|--------|
| | Boys. | Girls. | Total. | North- b'land. | Buddle | Car- ville. | Holy Cross. | Had- rian. | Wall- send. | Total. |
| January . | 44 | 36 | 80 | 14 | 10 | 10 | 26 | 9 | 11 | 80 |
| February... | 35 | 39 | 74 | 8 | 8 | 12 | 32 | 6 | 8 | 74 |
| March .. | 40 | 43 | 83 | 8 | 14 | 10 | 28 | 11 | 12 | 83 |
| | 119 | 118 | 237 | 30 | 32 | 32 | 86 | 26 | 31 | 237 |
| April ... | 38 | 42 | 80 | 8 | 18 | 10 | 23 | 7 | 14 | 80 |
| May ... | 31 | 30 | 61 | 8 | 16 | 6 | 20 | 6 | 5 | 61 |
| June .. | 54 | 40 | 94 | 12 | 18 | 9 | 34 | 9 | 12 | 94 |
| | 123 | 112 | 235 | 28 | 52 | 25 | 77 | 22 | 31 | 235 |
| July ... | 46 | 36 | 82 | 7 | 8 | 23 | 25 | 9 | 10 | 82 |
| August .. | 27 | 30 | 57 | 6 | 17 | 3 | 12 | 10 | 9 | 57 |
| September | 31 | 32 | 63 | 7 | 7 | 10 | 22 | 5 | 12 | 63 |
| | 104 | 98 | 202 | 20 | 32 | 36 | 59 | 24 | 31 | 202 |
| October ... | 36 | 38 | 74 | 7 | 17 | 10 | 21 | 5 | 14 | 74 |
| November | 29 | 29 | 58 | 6 | 15 | 2 | 24 | 4 | 7 | 58 |
| December | 38 | 47 | 85 | 11 | 13 | 16 | 27 | 8 | 10 | 85 |
| | 103 | 114 | 217 | 24 | 45 | 28 | 72 | 17 | 31 | 217 |

PHTHSIS AND OTHER DISEASES.

There were 23 cases of Consumption this year, giving a death rate of 1.04 per thousand. Last year the rate was 1.1 per thousand. Heart Disease 28, as against 25 last year. Pneumonia and Bronchitis 40, as against 65 last year.

The deaths from Tubercular disease are slowly being reduced each year, yet there is still room for very much improvement. The sanatoria are still largely held out as a cure for this scourge, yet I think that, were we to strike at the root or rather the causation of the disease, we should very greatly reduce our mortality. In my opinion the cubic space is too small for a number of our poorer classes, which have to inhabit old, and often defective houses.

Especially is this noticeable in the bedrooms, which are often little else but box rooms, and quite devoid of efficient ventilation. Assuming that an inhabitant of this class develops Consumption and is sent away for out door treatment, then, if he recovers from the disease, he is sent back to his old haunts and is nearly certain to succumb to a second attack. If the money spent on building sanatoria was used to eradicate all old and ill-ventilated houses, and more attention paid to the construction of new property, I think that the result would more than justify the expense.

THOMAS WILSON,

MEDICAL OFFICER OF HEALTH.

January, 1904.

SANITARY INSPECTOR'S REPORT

For Year ending December 31st, 1903.

To the Chairman and Members of the Sanitary Committee.

GENTLEMEN,

During the year the following Notices have been served (and complied) with, viz :—

| | | | |
|----------------------------------|-----|-----|-----|
| For Spouts Repaired | ... | ... | 7 |
| For Choked Drains | ... | ... | 22 |
| For Wet Ashpits | ... | ... | 23 |
| For Wet Closets | ... | ... | 70 |
| For Lime Washing | ... | ... | 50 |
| For Repairs to Closet Doors | | ... | 37 |
| Repairs to Yard Surfaces | ... | ... | 18 |
| Total | | | 227 |
| | | | |
| New Drains inspected and passed | | ... | 180 |
| Houses Disinfected, about | ... | ... | 200 |
| Hotel Urinals Re-built | ... | ... | 3 |
| „ „ Repaired | ... | ... | 2 |
| Ashpits converted into Closets | ... | ... | 23 |
| „ still remaining in the Borough | ... | ... | 424 |
| New Closets where none existed | | ... | 2 |

Our ashpits and closets have been emptied and disinfected once a week during the year.

I am sorry to state that we have had a severe epidemic of Smallpox in the Borough since last March (48 cases altogether). This has entailed a very large amount of work, removing patients, disinfecting, etc., and also seeing to contacts. We have been much hampered in this work through the want of an isolation block at our hospital for contacts, yet notwithstanding this we have been very successful in keeping the disease from spreading to the surrounding houses.

We have also had a considerable number (as you will see by the report of the Medical Officer of Health) of other infectious diseases.

The Medical Officer of Health and myself have made a large number of visits to the different Wards of the Borough, and any defects which we ordered to be remedied have been promptly carried out by both owners and tenants, such as defective closets, lime-washing, etc.

We have also made a large number of visits to the workshops of the Borough under the Factory Act (1901), and found those places in a very satisfactory condition.

Bakeries, Slaughter Houses, Cow Byres, Daries, Milk Shops' Pork Shops and Fruit and Fish Shops have been visited regularly during the year, and they are very well kept.

It was only found necessary to prosecute one case under the Food and Drugs Acts, viz , a case of milk, where the public analyst certified that the sample contained ~~38~~ per cent. of added water. 33 Another analyst's certificate of one cow's milk was put in as evidence by the defendant, as containing 48 per cent. more water than the standard of the Board of Agriculture allows. The Magistrates decided to dismiss the case on the defendant paying the costs of the court and the analyst's fee of 10/6.

Gentlemen, I can only add that on the 31st of December the Borough is practically free from infectious disease, only two cases being in the fever hospital and no cases in the smallpox hospital. Of course the work has very much increased owing to fever, smallpox, etc., but it is satisfactory to know that we are in such a healthy condition to begin a new year.

I am, Gentlemen,

Your obedient Servant,

JOHN CAMPBELL,

SANITARY INSPECTOR.

TABLE I.

Vital Statistics of Whole District of Wallsend-on-Tyne during 1903 and Previous Years.

| Year | Population estimated to Middle of each Year | Births | | Total Deaths Registered in the District | | | | Total Deaths in Public Institutions in the District | Deaths of Non-residents in Public Institutions in the District | Deaths of Residents registered beyond the District | Nett Deaths at all ages belonging to the District | |
|-------------------------------------|--|--------|--------|--|---------------------------------------|-------------|-------|---|--|--|--|--------|
| | | | | Under 1 year | | At all Ages | | | | | Number | Rate.* |
| | | Number | Rate.* | Number | Rate per 1000 Births registered | Number | Rate* | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1893 | 12,000 | 419 | 34.9 | 63 | 150.03 | 190 | 15.8 | | | | | |
| 1894 | 13,000 | 399 | 30.9 | 48 | 120.3 | 181 | 13.9 | | | | | |
| 1895 | 14,000 | 424 | 30.2 | 60 | 141.5 | 218 | 15.5 | | | | | |
| 1896 | 15,000 | 472 | 31.46 | 57 | 120.3 | 185 | 12.7 | | 6 | | 179 | 11.8 |
| 1897 | 16,000 | 524 | 32.7 | 75 | 124.12 | 202 | 11.8 | | 3 | | 199 | 12.4 |
| 1898 | 17,000 | 582 | 34.2 | 118 | 202.7 | 292 | 17.1 | | 12 | | 290 | 16.4 |
| 1899 | 18,000 | 693 | 38.5 | 136 | 193.36 | 358 | 19.8 | | 5 | | 355 | 19.7 |
| 1900 | 20,000 | 748 | 35.6 | 97 | 129.6 | 303 | 15.1 | | 12 | | 291 | 14.5 |
| 1901 | 21,000 | 830 | 39.5 | 142 | 139.5 | 348 | 17.04 | | 3 | | 345 | 16.4 |
| 1902 | 21,500 | 856 | 39.8 | 119 | 139.01 | 360 | 16.7 | | 3 | | 357 | 16.6 |
| Averages for years. 1893-1902 | 16,750 | 594.7 | 34.77 | 91.5 | 145.7 | 229.5 | 15.54 | | | | | |
| 1903 | 22,000 | 891 | 40.5 | 127 | 141.4 | 345 | 15.6 | 0 | 0 | | 344 | 15.6 |

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water), 1202.

Total population of all ages 20,647

Number of inhabited houses 4,141 At Census of 1901.

Average number of persons per house .. 5

TABLE II.

Vital Statistics of Separate Localities in 1903
and Previous Years.

| Names of Localities. | WHOLE DISTRICT. | | | | CARVILLE. | | | | BUDDLE. | | | |
|---------------------------------|--|--------------------|---------------------|----------------------|--|--------------------|---------------------|----------------------|--|--------------------|---------------------|----------------------|
| Year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population estimated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. |
| 1893 | 12,000 | 419 | 190 | 63 | | | | | | | | |
| 1894 | 13,000 | 399 | 181 | 48 | | | | | | | | |
| 1895 | 14,000 | 424 | 218 | 60 | | | | | | | | |
| 1896 | 15,000 | 472 | 185 | 57 | | | | | | | | |
| 1897 | 16,000 | 524 | 202 | 75 | | | | | | | | |
| 1898 | 17,000 | 582 | 292 | 118 | | | | | | | | |
| 1899 | 18,000 | 693 | 358 | 136 | | | | | | | | |
| 1900 | 20,000 | 748 | 303 | 97 | | | | | | | | |
| 1901 | 21,000 | 830 | 348 | 142 | 2726 | 150 | 68 | 22 | 3644 | 140 | 42 | 18 |
| 1902 | 21,500 | 856 | 360 | 119 | 3215 | 112 | 55 | 23 | 3884 | 170 | 44 | 17 |
| Averages of years 1893 to 1902. | 16.750 | 594.7 | 263.7 | 91.5 | | | | | | | | |
| 1903 | 22,000 | 891 | 345 | 127 | 3276 | 121 | 65 | 26 | 3922 | 161 | 40 | 5 |

TABLE II.—Continued.

| HADRIAN. | | | | HOLY CROSS. | | | | WALLSEND | | | | NORTHUMBERLAND. | | | |
|--|--------------------|------------------------|-------------------------|--|--------------------|------------------------|-------------------------|--|-------------------|------------------------|------------------------|--|--------------------|------------------------|-------------------------|
| Population esti- mated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population esti- mated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. | Population esti- mated to middle of each year. | Births registered | Deaths at all Ages. | Deaths under 1 year | Population esti- mated to middle of each year. | Births registered. | Deaths at all Ages. | Deaths under 1 year. |
| 2365 | 86 | 38 | 16 | 5773 | 236 | 89 | 40 | 3650 | 114 | 63 | 28 | 2642 | 104 | 48 | 16 |
| 2365 | 93 | 47 | 14 | 7570 | 246 | 69 | 28 | 3790 | 118 | 71 | 20 | 3100 | 117 | 74 | 17 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 2365 | 89 | 26 | 9 | 7744 | 294 | 110 | 38 | 3832 | 124 | 57 | 25 | 3162 | 102 | 47 | 24 |

TABLE III

Cases of Infectious Disease notified in Wallsend-on-Tyne during
the Year 1903.

| Notifiable Disease. | Cases Notified in whole District. | | | | | | Total Cases Notified in each Locality. | | | | | No. of Cases removed to Hospital from each Locality. | | | | | | | |
|---------------------|-----------------------------------|----------------|---------|----------|-----------|-----------|--|-------------|---------|----------|-----------|--|-----------|-------------|---------|----------|-----------|------------------|------------------|
| | At all Ages. | At Ages—Years. | | | | | Carville. | Holy Cross. | Buddle. | Hadrian. | Wallsend. | Northum-berland. | Carville. | Holy Cross. | Buddle. | Hadrian. | Wallsend. | Northum-berland. | |
| | | Under 1. | 1 to 5. | 5 to 15. | 15 to 25. | 25 to 65. | | | | | | | | | | | | | 65 and up-wards. |
| Small-pox .. | 49 | 4 | 2 | 1 | 12 | 29 | 1 | 2 | 17 | 6 | 5 | 7 | 12 | 2 | 16 | 6 | 5 | 6 | 12 |
| Cholera .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Diphtheria .. | 18 | .. | 4 | 7 | 2 | 5 | .. | 6 | 9 | .. | .. | 1 | 2 | 1 | 3 | .. | .. | .. | .. |
| Membranous Croup | 26 | .. | 5 | 3 | .. | 18 | .. | 1 | 12 | 4 | 1 | 7 | 1 | .. | .. | .. | .. | .. | .. |
| Erysipelas .. | | 131 | 1 | 44 | 75 | 9 | 2 | 15 | 54 | 19 | 18 | 15 | 10 | 2 | 14 | 9 | 2 | 1 | 6 |
| Scarlet Fever .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Typhus Fever .. | .. | .. | .. | .. | .. | .. | .. | 2 | 7 | 1 | 2 | .. | 2 | .. | 4 | .. | 1 | .. | .. |
| Enteric Fever .. | 14 | .. | 2 | 4 | 6 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Relapsing Fever | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Continued Fever | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Puerperal Fever | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Plague .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Chicken-pox .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Totals .. | 238 | 5 | 57 | 90 | 29 | 56 | 1 | 26 | 99 | 30 | 26 | 30 | 27 | 5 | 37 | 15 | 8 | 7 | 18 |

ISOLATION HOSPITALS :—Wallsend, Willington Quay, and Howdon.

TABLE

Causes of, and Ages at, Death in

| Causes of Death. | Deaths in or belonging to whole District at subjoined Ages. | | | | | | |
|---|---|----------|----------------|-----------------|------------------|------------------|------------------|
| | All Ages. | Under 1. | 1 and under 5. | 5 and under 15. | 15 and under 25. | 25 and under 65. | 65 and up-wards. |
| Small-pox | 2 | 1 | .. | .. | .. | 1 | .. |
| Measles | 24 | 5 | 19 | .. | .. | .. | .. |
| Scarlet Fever | 5 | 1 | .. | 4 | .. | .. | .. |
| Whooping-cough.. .. | 2 | .. | 2 | .. | .. | .. | .. |
| Diphtheria and Membranous Croup | .. | .. | .. | .. | .. | .. | .. |
| Croup | 2 | 1 | 1 | .. | .. | .. | .. |
| Typhus | .. | .. | .. | .. | .. | .. | .. |
| Fever Enteric | 5 | .. | .. | .. | 4 | 1 | .. |
| Other Continued | .. | .. | .. | .. | .. | .. | .. |
| Epidemic Influenza | 4 | 1 | 1 | .. | .. | 1 | 1 |
| Cholera | .. | .. | .. | .. | .. | .. | .. |
| Plague | .. | .. | .. | .. | .. | .. | .. |
| Diarrhœa | 11 | 8 | 3 | .. | .. | .. | .. |
| Enteritis | 7 | 6 | .. | .. | .. | 1 | .. |
| Puerperal Fever | .. | .. | .. | .. | .. | .. | .. |
| Erysipelas | 1 | .. | .. | .. | .. | 1 | .. |
| Other Septic Diseases | .. | .. | .. | .. | .. | .. | .. |
| Phthisis | 23 | .. | 1 | 3 | 5 | 14 | .. |
| Other Tubercular Diseases | 21 | 13 | 6 | 1 | .. | 1 | .. |
| Cancer, Malignant Disease.. .. | 9 | .. | .. | .. | .. | 7 | 2 |
| Bronchitis | 16 | 6 | 6 | .. | .. | 1 | 3 |
| Pneumonia | 24 | 6 | 8 | .. | 2 | 5 | 3 |
| Pleurisy | .. | .. | .. | .. | .. | .. | .. |
| Other Diseases of Respiratory Organs | .. | .. | .. | .. | .. | .. | .. |
| Alcoholism | 1 | .. | .. | .. | .. | .. | 1 |
| Cirrhosis of Liver | .. | .. | .. | .. | .. | .. | .. |
| Venereal Diseases | .. | .. | .. | .. | .. | .. | .. |
| Premature Birth | 23 | 23 | .. | .. | .. | .. | .. |
| Diseases and Accidents of Parturition | 4 | .. | .. | .. | .. | 4 | .. |
| Heart Diseases | 28 | .. | .. | 1 | 1 | 19 | 7 |
| Accidents | 11 | 3 | .. | 3 | 1 | 3 | 1 |
| Suicides.. .. | 1 | .. | .. | .. | .. | 1 | .. |
| All other causes | 121 | 53 | 11 | 8 | 4 | 20 | 25 |
| All causes | 345 | 127 | 58 | 20 | 17 | 80 | 43 |

IV.

Wallsend-on-Tyne during Year 1903.

| Deaths in or belonging to Localities (at all Ages). | | | | | | | Total Deaths in Public Institutions in the District. |
|---|------------|-----------|-------------|---------|------------------|--------|--|
| Car-ville. | Walls-end. | Had-rian. | Holy Cross. | Buddle. | Northum-berland. | Total. | |
| .. | .. | .. | 2 | .. | .. | 2 | .. |
| 5 | 3 | .. | 4 | 10 | 2 | 24 | .. |
| .. | .. | .. | 4 | 1 | .. | 5 | .. |
| .. | .. | .. | 1 | .. | 1 | 2 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| 2 | .. | .. | .. | .. | .. | 2 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 1 | 4 | .. | .. | 5 | .. |
| .. | 1 | .. | 2 | 1 | .. | 4 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 1 | 2 | 3 | 1 | 4 | 11 | .. |
| 4 | 1 | 1 | .. | .. | 1 | 7 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | 1 | .. | 1 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| 8 | 2 | 4 | 6 | 3 | .. | 23 | .. |
| 5 | 4 | 2 | 7 | 2 | 1 | 21 | .. |
| .. | 2 | .. | 3 | 3 | 1 | 9 | .. |
| 2 | 6 | 2 | 2 | 3 | 1 | 16 | .. |
| 3 | 6 | 1 | 8 | 3 | 3 | 24 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | 1 | .. | 1 | .. |
| .. | 1 | .. | .. | .. | .. | 1 | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| 4 | 4 | 3 | 10 | 1 | 1 | 23 | .. |
| 1 | .. | 1 | 1 | .. | 1 | 4 | .. |
| 5 | 8 | 2 | 4 | 3 | 6 | 28 | .. |
| 3 | 2 | 2 | 3 | 1 | .. | 11 | .. |
| .. | .. | .. | 1 | .. | .. | 1 | .. |
| 20 | 19 | 6 | 46 | 7 | 23 | 121 | .. |
| 62 | 60 | 27 | 111 | 40 | 45 | 345 | 4 |

